Data Sheet
Fujitsu CELVIN® NAS Server Q802 Storage

Powerful 4-Drive NAS

The Fujitsu CELVIN® NAS Server Q802 is the ideal product for file sharing, end to end backup options and SAN (Storage Area Network) integration for SMB customers - enabling centralized data management at a reasonable price. It is a balanced multipurpose device with up to 12 TB storage and can be set up for anything from surveillance operations to NAS plus iSCSI storage.

Business Server Feature
- Multifunctional business server features bridges the worlds of SAN and NAS, enables cross-platform file sharing between Windows, Mac or Linux and support virtualization applications
- Hot swappable drives
- VMWare®/Citrix®/HyperV™ Capable
- iSCSI storage for cluster virtualization
- Encrypted remote replication for archiving

Backup Management
- Comprehensive backup features to manage the challenge of data growth on physical and virtual machines in heterogeneous environments.
- Easy to use online management software
- Offsite remote replication
- Data backup to cloud or external storage devices
- Support for third party software

Multimedia Features
- Up to 12 TB storage capacity
- Easy scale-up with up to six hard disk drives including online management tools
- Virtual disk expansion virtual disc expansion with bandwidth aggregation on two network ports for increased flexibility
- Online capacity expansion and RAID level migration

Reliability
- Service-friendly cabinet
- 3-years spare part supply
- Country-specific warranty
- Top-up services are available

CELVIN® NAS Server Q802

Technical specifications

	Firmware based on 3.7.3 Processor: Intel® Atom™ D270x 2,1GHz Memory: 1 GB DDRIII RAM 512 MB Flash on DOM FAN:1x quiet cooling fan (9cm) Intel® 82574L NIC x2 Gigabit LAN Formfactor: Tower
Hard disk capacity	Up to 4 x 2.5-inch or 3.5-inch SATA I/II/SATA 6Gb/s HDD or SSD up to 12TB raw capacity, consult HDD compatibility list
Required interface	Ethernet plug
LED	USB Status HDD 1 -4 LAN Power
System controls	Power button, One-touch copy button, Alarm Buzzer (System Warning), Reset Button, Display mode button
Color	Black housing, copper colored trays

Software specification

Networking	TCP/IP (IPv4 /IPv6 dual stack), multi IP setting,LACP, Port trunking /NIC teaming: Balance-rr (Round-Robin), Active Backup, Balance XOR, Broadcast, IEEE 802.3ad, Balance-tlb (Adaptive, Transmit Load Balancing), Balance-alb (Adaptive Load Balancing) DHCP client, DHCP server including PXE boot CIFS/SMB, AFP/Netatalk3.2, NFS v3, HTTP, HTTPS, FTP,SFTP(admin), DDNS, NTP, Telnet, SSH, iSCSI, SNMP,WebDAV,SMSC Dual Gigabit w/ Jumbo Frame, Bonjour iSCSI initiator for virtual disks (max 8 disks); stack chaining master Virtual disk support for EXT3/ EXT4/ NTFS/ FAT32/ HFS+ Support for VMware VSphere 4 and 5 via NFS and iSCSI Windows Server 2008 support (Hyper-V & failover clustering) Citrix XenServer (6.0) iSCSI target (with multi-LUNs per target) iSCSI LUN online expansion LUN mapping / LUN masking Up to 256 LUNs SCSI Primary Commands -3 (SPC-3) support / persistent reservation MC/S (multiple TCP connections / session) support to reach iSCSI target MPIO (multipath input output) for load balancing and failover VLAN 802.1Q USB WiFi-Adapter support IEEE 802.11b/g/n WEP, WPA-personal (AES/TKIP), WPA2-personal (AES) Connection to wireless network or Ad Hoc network

Software specification	
Backup Management	Client backup software Time machine backup (OS X Lion support) 3rd party backup software support Encrypted block-level remote replication (instant, scheduled backup management); synchronization mode/Rsync Real-time remote replication (RTRR protocol) for real-time backup of server & client, 3 sync modes, filter, policy definition, SSL protected Backup to Cloud Backup to (encryptable) USB/eSATA storage devices LUN backup and restore LUN point-in-time snapshot (1x)
File System Management	Network share management '(max. 512 shares) Share folder level ACL support Unicode support Journaling file system Web File Manager File management by Web-browser File and folder search Direct file viewing via Google Docs support (pdf,tif/tiff,ppt,doc,xls,pptx,docx,xlsx,svg,odt) Create and send download links for public file sharing (time expiration, password protected)
Disk Management	Disk usage status management; HDD S.M.A.R.T.; Bad blocks scan RAID 0/1/5/5+HS/10/6, JBOD, single disk Online RAID capacity expansion; online RAID-level migration RAID recovery, Bitmap support ISO mounting (max 256) via Web File Manager
User Management	User quota management Windows Active Directory support, max. 10k users LDAP directory service supports Open LDAP, max. 10k domain users User account management (max. 4096users) User group management (max. 512 groups) Shared folders (max. 512) Concurrent connections (max. 256) Support batch creating users User Import/ Export for Multiple CELVIN NAS Deployment Subfolder Permission (File/Directory ACL) Microsoft Networking (Samba) Host Access Control (Domain/IP)
Radius Server	Support for 802.1x security authentication: PAP , EAP-TLS/PAP, EAP-TTLS/PAP (WPA-Enterprise, WPA2-Enterprise) max. 10 RADIUS clients, max. 4096 users
VPN Server	OpenVPN up to 256bit SSL/TLS, PPTP up to 128bit encryption
System Tools	E-mail alert (SMTP authentication); SMS alert notification Disk usage alert HDD standby mode Automatic power on after power loss Schedule power on/ off (15 settings max) System firmware upgrade Wake-on-LAN Smart fan setting Back up, restore, reset system settings Configurable management port Remote login by Telnet connection USB, SNMP(v2, v3) UPS support Network recycle bin
Event Logs	Complete system logs (file level): system events management, connection logs, current connection of on-line users Centralized monitoring / syslog server (TCP / UDP) Manually and advanced log filtering via wizzard
Multilingual (Online) Support	Primary languages: English, German, Czech, Danish, Spanish, French, Italian, Norwegian, Polish, Russian, Finish, Swedish, Dutch, Turkish, further languages available via GUI

Software specification	
FTP Server	FTP remote access (max. 256 concurrent connections) FTP with SSL/ TLS (explicit) mode FTP bandwidth control and connection control Passive FTP port range control FXP and Unicode support TFTP server (PXE boot) SFTP (admin only)
Printer Server	USB printer network sharing (Windows / Mac) Internet printing protocol, printer management, Apple Bonjour printing
Web Server	Built-in editable php.ini, SQLite and MySQL Web-based management via phpMyAdmin Max. 32 virtual hosts Browser support: Internet Explorer 7+ Firefox 3+ Safari 3+ Google Chrome
MySQL Server	MySQL database server
Security	Network access protection with autoblocking (SSH, Telnet, HTTP(S), FTP, CIFS/SMB, AFP Policy based automatic IP blocking and IP filter Encrypted access (HTTPS, FTP with SSL/TLS(explicit),SSH/SFTP, RSync over SSH, CIFS host access control for shared folders ClamAV antivirus protection FIPS 140-2 validated AES 256-bit volume based data encryption Importable SSL certificates OpenVPN up to 256bit SSL/TLS, PPTP up to 128bit encryption Radius Server Instant alert via E-mail, SMS, Instant Messaging, LCD
Surveillance Station	1 channel free, up to 12 channels possible (fee-based) IP camera finder software and configuration
Media Server	UPnP Media Server Twonky Media iTunes server Supports UPnP Media player Game consoles Xbox360, PS3, PSP DMP/DMA Multimedia station features Realtime & background photo transcoding
Download Station	BitTorrent (FTP/ HTTP scheduled download) Support of TCP/ UDP tracker protocol, distributed hash table/DHT Up to 500 BT download tasks Download configuration / download status list RSS download manager, subscription to RSS feeds, RSS download Multiple URLs in one task
Interfaces	
USB 2.0 total	Front side: x1 ; rear side: x4
USB 3.0 total	Rear side: x2
eSATA	2 x (rear / SATA)
Supported formats	
Video formats	(Media Server): wmv, asf, vdr, avi, xvid, divx, flv, mpg, mpe, mts, m2ts, m2t, mpeg, spts, m2p, m2v, mp2t, mp2p, mpg2, dvr-ms
Subtitle formats	(Media Server): m3u, m3u8, wpl, pls
Music formats	(Media Server): mp3, mp4, m4a, m4b, 3gp, apl, ac3, m1v, m4v, mov, aac, amr, awb, wav, pcm, lpcm, mp1, mp2, aif, aiff, aifc, snd, wma, ogg, flac; Internet Radio (Media Server): vTuner, Shoutcast
Picture formats	Media Server): jpg, jpe, jpeg, tiff, tif, gif, png, bmp

Supported formats	
Supported file system	EXT4 (internal/external HDD) EXT3 (internal/external HDD) NTFS (external HDD) FAT32 (external HDD) HFS+ (externel HDD)
Security	
Electrical values	
Power consumption	EUP mode: 0,45W WoL mode: 1,9W Sleep mode:25W Operation mode: 43 W
Power supply input	Internal power supply 250W 50-60Hz Input: 100-240V AC
Compliance	
Europe	CE
USA/Canada	FCC Class B
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/
Dimensions / Weight / Environmental	
Dimensions (W x D x H)	180 x 235 x 177 mm
Weight	Net weight: 3.65 kg, Gross weight: 4.65 kg; Package incl. System w/o
Operating ambient temperature	0 - 40 °C
Required interface	Ethernet plug
Software support (Operating system)	Windows® XP Microsoft® Windows ® 7 (32 bit and 64 bit) Windows Vista® Mac OS X Linux UNIX Windows® Server 2008 R2 Windows® Server 2003
Required network	Ethernet

CELVIN NAS Server Q802; Power Cord, CD, LAN cable, Key for tray lock, trays, Quick Start Guide, Service flyer

Order information

S26341-F103-L211	Single Tray with 1 TB NAS Hard Disk Drive
S26341-F103-L212	Single Tray with 2 TB NAS Hard Disk Drive
S26341-F103-L213	Single Tray with 3 TB NAS Hard Disk Drive
S26341-F103-L802	w/o Hard Disk Drives, 4 trays included
S26341-F103-L811	4 x 1 TB NAS Hard Disk Drives
S26341-F103-L812	4 x 2 TB NAS Hard Disk Drives
S26341-F103-L813	4 x 3 TB NAS Hard Disk Drives
S26341-F103-L816	2 x 3 TB NAS Hard Disk Drives
S26341-F103-L817	4 x 2 TB NAS Hard Disk Drives INT (EU/UK/CH power cord)
S26341-F103-L818	4 x 3 TB NAS Hard Disk Drives INT (EU/UK/CH power cord)
VFY:CQ802XX020E1	4 x1 TB NAS Hard Disk Drives EU
VFY:CQ802XX030E1	4 x 2 TB NAS Hard Disk Drives EU

More information

Fujitsu OPTIMIZATION Services

In addition to Fujitsu CELVIN® NAS Server Q802, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio
Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu CELVIN® NAS Server Q802, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts/accessories

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.
Please find further information at http://www.fujitsu.com/global/about/environment/

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